FIG. 1

(a) Original image

(b) Frame difference
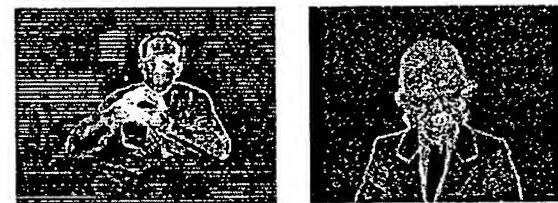
(c) Enhanced frame difference

FIG. 2
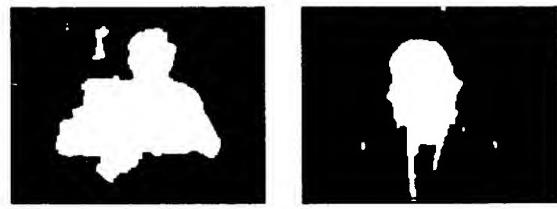
(a)Motion region

(b) Skin region
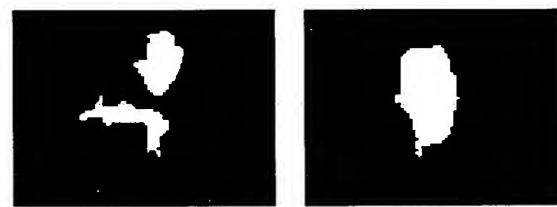
(c)Face candidate

FIG. 3

(a) Original

(b) *Y* (valley detector)
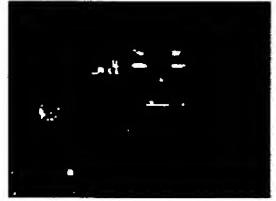
(c) *Cb*(peakdetector)
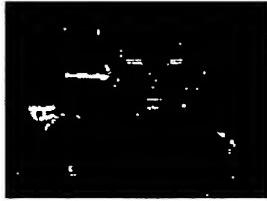
(d) *Cr* (valley detector)

FIG. 4
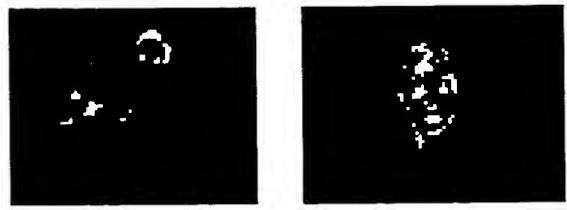
(a) Eye candidate
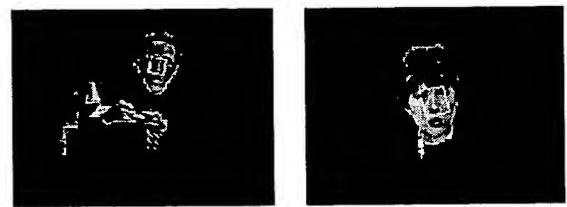
(b) Face rectangle
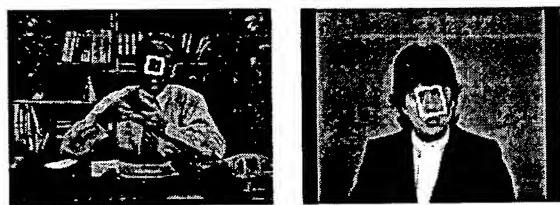
(c) Result

FIG. 5
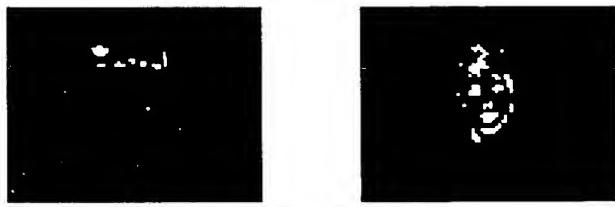
(a) Eye candidate
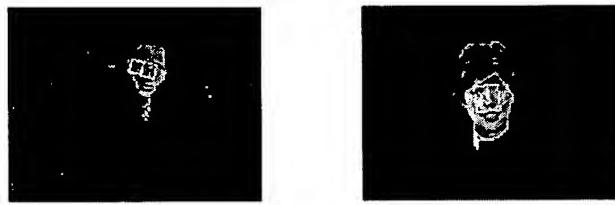
(b) Face rectangle
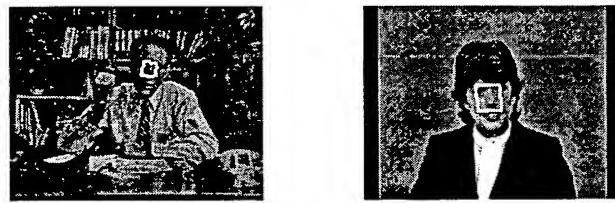
(c) Result

FIG. 6
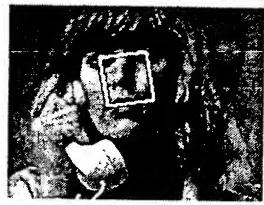
(a) Suzie

(b) Claire
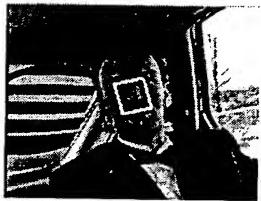
(c) Carphone

(d) Salesman
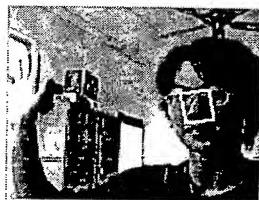
(e) Test 1

(f) Test 2

FIG. 7

(a)

(b)

(c)

(d)

(e)

(f)

(g)

(h)

(i)

(j)

(k)

(l)

FIG. 8